DISCRETE MATHEMATICS
VOLUME 145, NUMBERS 1–3, 13 OCTOBER 1995

CONTENTS

S. Akkari
Random packing by matroid bases and triangles 1

P. Aluffi
A blow-up construction and graph coloring 11

H.-J. Bandelt, A. Henkmann and F. Nicolai
Powers of distance-hereditary graphs 37

C.P. Bonnington, W. Imrich and M.E. Watkins
Separating double rays in locally finite planar graphs 61

T.Y. Chow
On the Dinitz conjecture and related conjectures 73

K. Dilcher
Some q-series identities related to divisor functions 83

F.-M. Dong and Y. Liu
On the chromatic uniqueness of the graph $W(n, n-2)+K_k$ 95

E.R. Hauge
On the cycles and adjacencies in the complementary circulating register 105

T. Helleseth and P.V. Kumar
The weight hierarchy of the Kasami codes 133

M.S. Jacobson and J. Lehel
Irregular embeddings of hypergraphs with fixed chromatic number 145

G. Jin
Triangle-free four-chromatic graphs 151

P. Lalonde
Lyndon heaps: An analogue of Lyndon words in free partially commutative monoids 171

S. Milici, G. Quattrocchi and H. Shen
Embeddings of Simple Maximum Packings of triples with λ Even 191

K. Ota
Cycles through prescribed vertices with large degree sum 201

A. Riskin
The genus 2 crossing number of K_9 211

P.F. Stadler
Random walks and orthogonal functions associated with highly symmetric graphs 229

S. Yang
The isomorphic factorization of complete tripartite graphs $K(m, n, s)$ — A proof of F. Harary, R.W. Robinson and N.C. Wormald's conjecture 239

X. Zha
The closed 2-cell embeddings of 2-connected doubly toroidal graphs 259

Communications

S. Gravier and A. Khelladi
On the domination number of cross products of graphs 273

I. Rusu
A new class of perfect Hoàng graphs 279

C.-D. Wang
A short proof of the existence of 2-sequencings in dihedral groups 287

Notes

D.H. Griffel and C.A.N. Morris
Complete latin squares of order 2^k 291

M.S. Jacobson and J. Lehel
Irregular embeddings of multigraphs with fixed chromatic number 295

S. Jendroľ and M. Tkáč
The irregularity strength of tK_p 301

M.N. Kolountzakis
An effective additive basis for the integers 307

M. Lepović
On strongly asymmetric graphs 315

L. Libkin and V. Gurvich
Trees as semilattices 321

F. Maurin
On the existence of $(v, 4, 3, 1)$-BHDs 329

J.B.M. Melissen and P.C. Schuur
Packing 16, 17 or 18 circles in an equilateral triangle 333

E. Song, W. Ye and Y. Liu
New lower bounds for Ramsey number $R(p, q; 4)$ 343

Corrigendum

To: *K.P. Bogart and A.N. Trenk*
Bipartite tolerance 347

Author index to volume 145 349